



Fuels & Services Company

1901 Chouteau Avenue, MC 611
St. Louis, MO 63103

ORIGINAL

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Illinois Commerce Commission
RAIL SAFETY SECTION

December 20, 2004

Mr. Michael E. Stead
Rail Safety Program Administrator
Illinois Commerce Commission
527 East Capital Avenue
Springfield, IL 62701

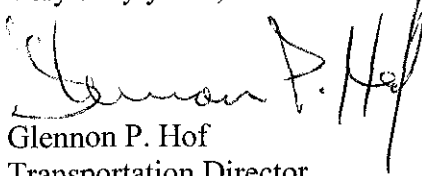
RE: Docket No. T04-0078: Ameren Energy Resources Generating Company
– Railroad Grade Crossing Petition

Dear Mr. Stead:

In support of the subject filing, enclosed please find a copy of the bill material and circuit diagrams for the proposed warning devices for the Illinois Route 9 grade crossing. The attached information details the design and equipment proposed for the flashing lights and gates.

Please call me at 314-554-4252 if you have any questions or need additional information.

Very truly yours,



Glennon P. Hof
Transportation Director

CRH/
Enclosures

DOCKETED

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ILLINOIS SR 9
BILL OF MATERIALS

NOTE = Materials listed are the major materials needed. Other materials and quantity may be needed for the complete installation & placing-in-service of the warning signal system.

INSTRUMENT BUNGALOW

1 each =	GCP 3000-D2 predictor-redundant, IPI island, key board display & (No dax modules)		Safetran Systems
1 each =	Track & battery surge panel	(80026-1)	" "
1 each =	500 ohm normal relay	(400000)	" "
1 each =	500 ohm H.D. relay	(400023)	" "
1 each =	194 ohm S.R. relay (3.0 - 3.75 sec.)	(400200)	" "
1 each =	60 ohm flasher relay with flash-pak	(400700-x)	" "
4 each =	relay socket assembly with crimp tabs	(420000-43x)	" "
4 each =	voltage test kits	(420000-46x)	" "
4 each =	variable resistors .63 ohm	(029602-1x)	" "
1 each =	variable resistor 10 ohm	(029603-5x)	" "
1 each =	variable resistor 2 ohm	(029602-6x)	" "
1 each =	relay wrench assembly	(032619-22x)	" "
6 each =	padlocks hex type	030399-16x)	" "
1 each =	40 ETC-12 V.		Railway Equip
1 each =	20 ETC-12 V.		" "
1 set =	7 cells of 475 aph. mtc. free battery		GNB.
1 set =	6 cells of 368 aph. mtc. free battery		"
1 lot =	2 3/8" terminal block		various vend.
1 lot =	(1 x 12 or 2 x 6) terminal strips		" "
1 lot =	1" test links (ug. cable @ bungalow & signal jct. box)		" "
1 lot =	circuit tags		" "
1 lot =	No. #6 wire for battery charging circuits		" "
1 each =	Secondary surge arrestor		" "
1 lot =	No #10 tc wire		Okonite
1 lot =	No #16 tc wire		"
1 lot =	Insulated ring terminals (no. #10-12 & #14-16)		Tyco Ind.
1 lot =	Ring terminals (no. #6 with 1/4" stud size)		" "
1 each =	6' x 6' alum. bungalow with the following: telescoping foundations, breaker box, lights, conv. outlets, shelves, heater, vent fan, front & back doors, backboard, plywood on left & right walls, two-step battery rack, 2 each power-off lights, 1 each S. & C. strobe light & relay filler plates.		PTMW. Inc.

SIGNAL HARDWARE

- 1 each = Model #10 flasher-gate signal consisting of the following: 3593 B gate mechanism, alum-glass gate arm with led gate lights, break-away & adapter, two-way 12" led lights on mast, high wind guard, jct. box base, Railroad Crossing sign, electronic bell & all necessary hardware. W.C. Hayes
- 1 each = Same as above except no bell

INSTALLATION MATERIALS

- | | | |
|----------|--|--------------|
| 2 each = | Galv. metal flasher-gate signal found. (48" tall with base plate) | L. & W. Ind. |
| 1 lot = | 7c x #6 ug. signal cable (bronze taped wrapped) | Okonite |
| 1 lot = | 7c x #9 ug. signal cable (" ") | " |
| 1 lot = | 2c x #6 ug. twisted track cable | " |
| 4 each = | rubber bootleg kits (track connections) | ----- |
| 4 each = | retainer rail clips | Erico |
| 4 each = | one-shot for 5/8" gnd. rod | " |
| 1 lot = | railhead bonds (3/16" x 6 1/2") | " |
| 5 each = | 5/8" x 8' gnd. rods | ----- |
| 1 lot = | 4" pvc conduit (under roadway & track) | ----- |
| 1 lot = | bondstrand wire | L. & W. |
| 1 lot = | rolls of 33 plus tape | 3-M |
| 1 lot = | fill materials for bungalow & foundations (as needed) | local |
| 1 lot = | crushed rock for topping | local |
| 1 lot = | alum. paint | ----- |
| 1 each = | ac meter loop arrangement | local |
| NOTE = | (contractor will furnish an ac meter loop located close to inst. bungalow. Railroad Owner will furnish ac power to the meter loop arrangement) | |